

Wafer Silent Check Valve WSCV Series

KV Controls Model WSCV Wafer Silent Check Valves are designed to prevent back flow in pumping applications. it's element movement is controlled via a central guide where a centrally mounted spring together with the short movement aids the quick closing that is essential in reducing shock associated with valve closure. The have feature of short linear stroke and spring return action combine to close the valve prior to flow reversal which effectively eliminates the shock and water hammer normally associated with the sudden stoppage of a reverse flow.



Technical Data	
Size range	DN50-DN300
Pressure range	PN10-16 / Class 150 / JIS 10K/20K
Temperature	NBR -10° °C to +80°C / VITON: -20°C ~ 200°C
Design	API 594 / EN 593
Face to face	MSS-SP-125
Connection	DIN 2501 / BS4504 / EN 1092-2 / ASME B16.5
Coating	Thermoplastic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Coating Blue Color	RAL 5005
	RAL 5010
	RAL 5015
	Custom made

Application Range

- Pump Stations
- Water Supply Systems
- Water treatment and distribution systems
- Tanks
- Power Station Cooling Lines
- Oil

Testing & Connection

- Body Strength Test: BS EN 12266-1: 1.5 x PN
- Seat Tightness Test: BS EN 12266-1: 1.1 x PN
- Gas Pressure: 0.6bar

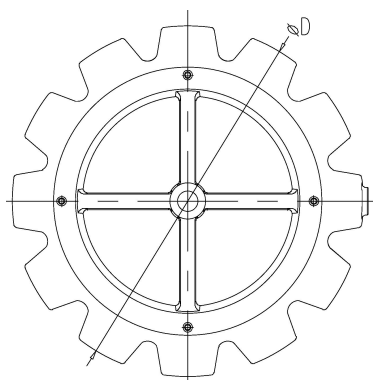
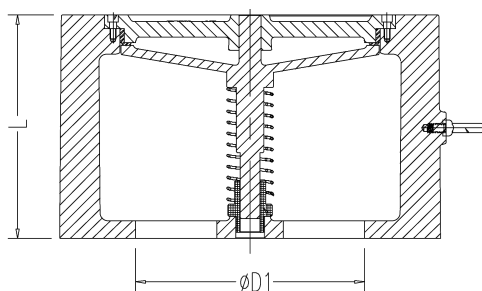
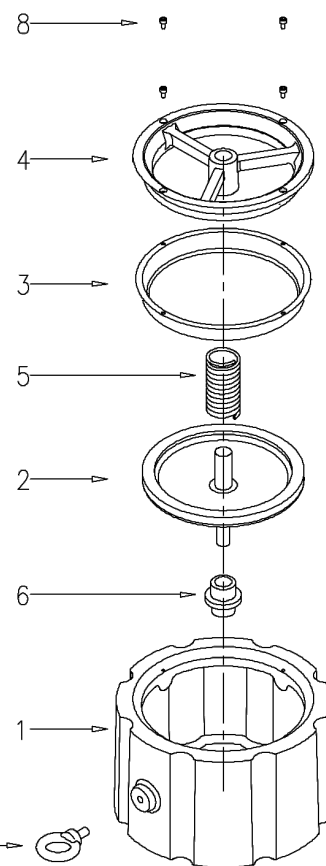
Feature

- Silent Operation -fast closure to prevent check valve slam water hammer
- Expanded Body -provides full flow area
- Resilient Seat -available for zero leakage & able to be installed in all flow directions
- Full coating on the body and disc internally & externally for corrosion resistance.

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Material Specification

No.	Name	Material
1	Body	GG25, GGG50, CF8, CF8M
2	Disc	CF8, CF8M
3	Seat	NBR, EPDM, VITON, CR
4	Bonnet	SUS304, SUS316, C95400
5	Spring	SUS304, SUS316
6	Bearing Sleeve	SUS304, SUS316, H62
7	Hook	A235+Coating
8	Screw	SUS304, SUS316



Dimension mm (JIS 10K/20K, PN10/16, ANSI 150)

Size	L	φD	φD1	Flange Standard
DN50	67	108	59	PN10/PN16 10K/20K 150LB
DN65	73	127	78	
DN80	79	150	84	
DN100	102	174	112	
DN125	117	213	130	
DN150	140	248	164	
DN200	165	340	216	
DN250	210	406	245	
DN300	286	482	300	